# MONTHLY BULLETIN

OF

# THE OBSERVATORY

## AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

**June, 1946**

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

# JUNE 1946

## METEOROLOGICAL REGISTER

| Date | Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ... | | | | Thermometer Degrees Centigrade | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | Max. | Min. | 8:30 | 14:30 | 20:30 | Mean |
| 1 | 60.8 | 60.0 | 60.1 | 60.3 | 29.0 | 20.1 | 26.6 | 27.2 | 22.2 | 25.3 |
| 2 | 59.3 | 58.8 | 57.4 | 58.5 | 32.4 | 20.7 | 26.6 | 32.3 | 28.2 | 29.0 |
| 3 | 6.4 | 6.5 | 7.5 | 6.8 | 28.8 | 19.8 | 26.6 | 27.2 | 22.8 | 25.5 |
| 4 | 7.2 | 6.2 | 6.1 | 6.5 | 29.4 | 21.2 | 26.0 | 27.9 | 21.9 | 25.3 |
| 5 | 5.7 | 5.5 | 5.6 | 5.6 | 29.6 | 20.7 | 26.1 | 28.0 | 23.2 | 25.8 |
| 6 | 55.4 | 55.4 | 54.7 | 55.2 | 30.1 | 20.8 | 25.5 | 28.4 | 23.1 | 25.7 |
| 7 | 6.2 | 6.3 | 6.5 | 6.3 | 29.4 | 21.1 | 26.6 | 28.2 | 22.2 | 25.7 |
| 8 | 7.2 | 7.1 | 7.8 | 7.4 | 29.4 | 20.2 | 25.4 | 27.6 | 22.1 | 25.0 |
| 9 | 7.9 | 7.1 | 7.4 | 7.5 | 29.0 | 21.1 | 24.1 | 27.2 | 23.1 | 24.8 |
| 10 | 6.9 | 7.1 | 7.5 | 7.2 | 28.8 | 21.0 | 25.6 | 26.0 | 22.9 | 24.8 |
| 11 | 59.2 | 59.4 | 59.9 | 59.5 | 29.6 | 20.7 | 25.5 | 28.3 | 22.5 | 25.4 |
| 12 | 60.8 | 60.2 | 60.1 | 60.4 | 29.9 | 21.1 | 26.1 | 28.8 | 22.8 | 25.9 |
| 13 | 59.2 | 8.8 | 57.3 | 58.4 | 31.0 | 22.5 | 26.2 | 26.6 | 23.6 | 25.5 |
| 14 | 5.9 | 58.5 | 5.4 | 6.6 | 31.3 | 22.3 | 26.7 | 29.3 | 22.3 | 26.1 |
| 15 | 5.7 | 6.2 | 6.1 | 6.0 | 31.1 | 23.6 | 26.6 | 29.4 | 24.4 | 26.8 |
| 16 | 57.3 | 56.3 | 56.2 | 56.6 | 31.4 | 22.4 | 26.7 | 29.4 | 25.1 | 27.1 |
| 17 | 8.0 | 7.6 | 60.4 | 8.7 | 31.1 | 21.8 | 26.6 | 29.2 | 23.3 | 26.4 |
| 18 | 8.0 | 8.2 | 58.4 | 8.2 | 31.3 | 21.2 | 27.2 | 29.4 | 23.4 | 26.7 |
| 19 | 7.6 | 8.9 | 8·3 | 8.3 | 30.9 | 22.0 | 27.2 | 29.5 | 23.3 | 26.7 |
| 20 | 9.2 | 9.0 | 9.7 | 9.3 | 31.1 | 22.9 | 27.2 | 27.8 | 23.9 | 26.3 |
| 21 | 58.3 | 57.2 | 57.1 | 57.5 | 31.7 | 21.9 | 26.6 | 29.5 | 23.4 | 26.5 |
| 22 | 5.2 | 4.5 | 4.8 | 4.8 | 31.7 | 21.6 | 27.2 | 26.6 | 23.6 | 25.8 |
| 23 | 4.2 | 4.0 | 5.0 | 4.4 | 32.2 | 22.3 | 27.9 | 30.0 | 24.2 | 27.4 |
| 24 | 5.8 | 5.8 | 6.1 | 5.9 | 32.8 | 22.3 | 27.8 | 30.8 | 24.4 | 27.7 |
| 25 | 5.9 | 5.8 | 6.4 | 6.0 | 32.4 | 21.8 | 27.6 | 30.5 | 24.4 | 27.5 |
| 26 | 56.5 | 55.9 | 56.2 | 56.2 | 31.8 | 22.2 | 27.7 | 29.7 | 23.8 | 27.1 |
| 27 | 6.6 | 6.0 | 6.2 | 6.3 | 32.1 | 23.1 | 27.3 | 30.5 | 24.4 | 27.4 |
| 28 | 6.1 | 6.1 | 6.4 | 6.2 | 32.7 | 22.9 | 28.2 | 31.1 | 24.9 | 28.1 |
| 29 | 6.9 | 6.8 | 7.0 | 6.9 | 32.8 | 22.7 | 28.3 | 31.1 | 24.7 | 28.0 |
| 30 | 7.3 | 7.2 | 7.0 | 7.2 | 31.4 | 23.6 | 27.4 | 29.7 | 26.1 | 27.7 |
| | 57.22 | 57.08 | 57.15 | 57.15 | 30.87 | 21.72 | 26.70 | 28.90 | 23.67 | 26.43 |

Barometer, range for month 754.0 – 760.8mm.
,, 62-yr. average for month 758.02 mm.
Thermometer, range for month 19.8° – 32.8°C
,, 62-yr. average for month 25.50° C.
Rain, total for month 0.0 m.m.
,, 62-yr. average for month 3.56 m.m.
,, Total, Sept. 1st. to end of month 895.35 mm.
,, 62-yr. average, Sept. 1st. to end of month 883.92 mm

# JUNE 1946

## METEOROLOGICAL REGISTER

| Date | Pressure of Water Vapor mm. | | | | Relative Humidity per cent. | | | | Sun. | Wind per day | Rain |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | Mean | Hrs. | Kms. | m.m. |
| 1 | 18.4 | 17.9 | 17.6 | 18.0 | 70 | 67 | 89 | 75 | 12.3 | 171.0 | |
| 2 | 16.3 | 17.0 | 19.3 | 17.5 | 62 | 47 | 68 | 59 | 11.8 | 257.0 | |
| 3 | 17.6 | 16.3 | 17.1 | 17.0 | 67 | 60 | 83 | 70 | 12.7 | 439.0 | |
| 4 | 17.1 | 18.6 | 17.2 | 17.6 | 68 | 66 | 88 | 74 | 12.6 | 403.0 | |
| 5 | 17.9 | 17.8 | 18.0 | 17.9 | 71 | 63 | 85 | 73 | 12.5 | 377.0 | |
| 6 | 18.0 | 18.2 | 16.9 | 17.7 | 73 | 63 | 80 | 72 | 12.7 | 351.0 | |
| 7 | 17.7 | 16.5 | 15.7 | 16.6 | 68 | 58 | 79 | 68 | 12.4 | 138.0 | |
| 8 | 15.6 | 15.0 | 16.8 | 15.8 | 65 | 55 | 86 | 69 | 12.7 | 188.0 | |
| 9 | 14.9 | 15.2 | 16.8 | 15.6 | 66 | 56 | 80 | 67 | 12.8 | 193.0 | |
| 10 | 16.1 | 22.5 | 17.1 | 18.6 | 66 | 91 | 82 | 80 | 13.1 | 87.0 | |
| 11 | 16.5 | 16.1 | 17.2 | 16.6 | 67 | 56 | 85 | 69 | 13.0 | 188.0 | |
| 12 | 16.9 | 17.2 | 17.2 | 17.1 | 67 | 57 | 83 | 69 | 13.0 | 238.0 | |
| 13 | 17.9 | 15.5 | 18.4 | 17.8 | 71 | 60 | 85 | 72 | 13.1 | 674.0 | |
| 14 | 18.6 | 14.7 | 16.6 | 16.6 | 71 | 48 | 83 | 67 | 13.2 | 560.0 | |
| 15 | 19.4 | 21.3 | 21.0 | 20.6 | 75 | 69 | 82 | 79 | 13.2 | 950.0 | |
| 16 | 19.5 | 21.1 | 20.3 | 20.3 | 75 | 68 | 85 | 76 | 13.0 | 544.0 | |
| 17 | 21.8 | 17.8 | 17.9 | 19.2 | 84 | 59 | 84 | 76 | 12.9 | 476.0 | |
| 18 | 18.3 | 19.7 | 18.0 | 18.7 | 68 | 61 | 84 | 71 | 13.0 | 415.0 | |
| 19 | 18.2 | 18.5 | 15.2 | 17.3 | 68 | 60 | 71 | 66 | 12.7 | 694.0 | |
| 20 | 18.1 | 14.9 | 16.3 | 16.4 | 68 | 54 | 73 | 65 | 12.9 | 463.0 | |
| 21 | 16.5 | 18.3 | 16.7 | 17.2 | 63 | 60 | 79 | 67 | 12.9 | 109.0 | |
| 22 | 18.3 | 18.7 | 16.6 | 17.9 | 68 | 72 | 77 | 72 | 13.0 | 140.0 | |
| 23 | 18.9 | 17.3 | 18.1 | 18.1 | 67 | 55 | 81 | 68 | 13.0 | 445.0 | |
| 24 | 16.6 | 19.9 | 18.3 | 18.3 | 59 | 59 | 81 | 66 | 12.7 | 322.0 | |
| 25 | 19.1 | 20.1 | 19.1 | 19.4 | 69 | 61 | 84 | 71 | 12.9 | 430.0 | |
| 26 | 19.7 | 18.6 | 18.7 | 19.0 | 72 | 59 | 85 | 72 | 13.0 | 132.0 | |
| 27 | 19.8 | 19.9 | 18.2 | 19.3 | 74 | 60 | 79 | 71 | 12.9 | 117.0 | |
| 28 | 19.8 | 20.6 | 17.7 | 19.4 | 70 | 61 | 75 | 69 | 13.1 | 190.0 | |
| 29 | 20.7 | 21.7 | 19.6 | 20.7 | 72 | 64 | 48 | 73 | 19.9 | 312.0 | |
| 30 | 23.7 | 23.4 | 22.7 | 20.3 | 88 | 75 | 91 | 85 | 12.8 | 301.0 | |
| | 18.26 | 18.34 | 17.87 | 18.16 | 69.7 | 61.4 | 82.0 | 71.0 | 12.82 | 343.46 | |

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

# JUNE 1946

## METEOROLOGICAL REGISTER

| Date | Clouds Clear—0 Overcast—10 | | | | Direction and force of wind Beaufort scale | | | Sea | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | | |
| 1 | 0 | 0 | 0 | 0.0 | 1n | 1nw | 0 | light | |
| 2 | 0 | 1ci | 1cu | 0.7 | 1nw | 1nw | 0 | „ | |
| 3 | 0 | 0 | 1cu | 0.3 | 3sw | 3sw | 2sw | „ | |
| 4 | 0 | 2cu | 0 | 0.7 | 2w | 2sw | 0 | slight | |
| 5 | 0 | 0 | 10cu | 3.3 | 2sw | 2sw | 0 | light | |
| 6 | 0 | 0 | 0 | 0.0 | 3sw | 2sw | 1sw | slight | |
| 7 | 4cu | 0 | 9cu | 4.3 | 2sw | 3sw | 0 | light | |
| 8 | 2cu | 4cu | 0 | 2.0 | 2w | 2sw | 0 | slight | |
| 9 | 2cu | 0 | 0 | 0.7 | 1sw | 1nw | 0 | calm | |
| 10 | 0 | 9cu | 1cu | 3.3 | 1nw | 1sw | 0 | light | |
| 11 | 0 | 0 | 0 | 0.0 | 1sw | 2sw | 1sw | „ | |
| 12 | 5cu | 0 | 0 | 1.7 | 2w | 2w | 0 | „ | |
| 13 | 0 | 0 | 0 | 0.0 | 2w | 2sw | 0 | „ | |
| 14 | 0 | 0 | 0 | 0.0 | 4sw | 2sw | 1sw | „ | |
| 15 | 0 | 0 | 0 | 0.0 | 4sw | 2sw | 3sw | slight | |
| 16 | 0 | 0 | 0 | 0.0 | 3sw | 4sw | 4sw | rough | |
| 17 | 0 | 0 | 0 | 0.0 | 3sw | 3sw | 2sw | light | |
| 18 | 0 | 0 | 0 | 0.0 | 2sw | 1sw | 2sw | „ | |
| 19 | 0 | 0 | 0 | 0.0 | 3sw | 2sw | 1w | slight | |
| 20 | 0 | 0 | 0 | 0.0 | 2sw | 4ne | 1ne | „ | |
| 21 | 0 | 0 | 0 | 0.0 | 0 | 1nw | 0 | light | |
| 22 | 0 | 0 | 0 | 0.0 | 2sw | 2sw | 1sw | slight | |
| 23 | 0 | 0 | 0 | 0.0 | 2sw | 1 w | 0 | light | |
| 24 | 0 | 0 | 0 | 0.0 | 1w | 1w | 0 | calm | |
| 25 | 0 | 0 | 0 | 0.0 | 3sw | 2sw | 0 | calm | |
| 26 | 1cu | 0 | 0 | 0.3 | 1sw | 0 | 0 | „ | |
| 27 | 4cu | 0 | 0 | 1.3 | 1w | 0 | 0 | „ | |
| 28 | 1cu | 0 | 0 | 0.3 | 1w | 1sw | 0 | „ | |
| 29 | 0 | 0 | 0 | 0.0 | 1sw | 1w | 0 | „ | |
| 30 | 1cu | 1cu | 1cu | 1.0 | 1sw | 1sw | 0 | „ | |
| | | | | 0.6 | | | | | |

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

### Number of Daily Wind Observations

| Time | N | NE | E | SE | S | SW | W | NW | Calm | Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:30 | 1 | 0 | 0 | 0 | 0 | 19 | 7 | 2 | 1 | 30 |
| 14:30 | 0 | 1 | 0 | 0 | 0 | 19 | 4 | 4 | 2 | 30 |
| 20:30 | 0 | 1 | 0 | 0 | 0 | 9 | 1 | 0 | 19 | 30 |
| Totals | 1 | 2 | 0 | 0 | 0 | 47 | 12 | 6 | 22 | 90 |

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

62 yr av. number of days with rain during month 0.8